



MIAMI-DADE COUNTY
DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera/

Schott North America, Inc.
555 Taxter Road, 4th floor
Elmsford, NY 10523

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Okalux Light Diffusing System

APPROVAL DOCUMENT: Drawing No. 1775, titled "Okalux Light Diffusing System" sheet 1 of 1, dated 10/07/2011, prepared by the W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: Glass lites shall be permanently marked in corner of the glass with the product's name, Marktheidenfeld, Germany, and the following statement: "Miami-Dade County Product Control Approved" unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



[Signature]
04/17/2012

NOA No. 12-0222.06
Expiration Date: April 26, 2017
Approval Date: April 26, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **1775**, titled "Okalux Light Diffusing System", sheet 1 of 1, dated 10/07/2011, prepared by the W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.

B. TESTS

	Laboratory	Test	Date	Signature
1.	A9515.01-106-18	ASTM D 2843	03/23/2011	Joseph A. Reed, P.E.
2.	A9515.01-106-18	ASTM D 635	03/23/2011	Joseph A. Reed, P.E.
2.	A9515.01-106-18	ASTM D 1929	03/23/2011	Joseph A. Reed, P.E.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to 2007 and 2010 FBC issued by W. W. Schaefer Engineering & Consulting, P.A., dated 11/22/2011, signed and sealed by Warren W. Schaefer, P.E.
2. No financial interest letter issued by W. W. Schaefer Engineering & Consulting, P.A., dated 11/08/2011, signed and sealed by Warren W. Schaefer, P.E.
3. Distributor agreement dated 01/06/2012.


04/17/2012

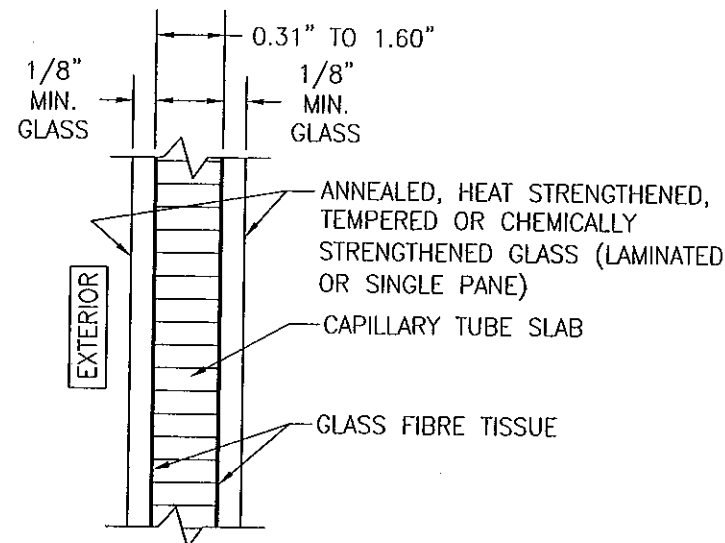
Carlos M. Utrera, P.E.

Product Control Examiner

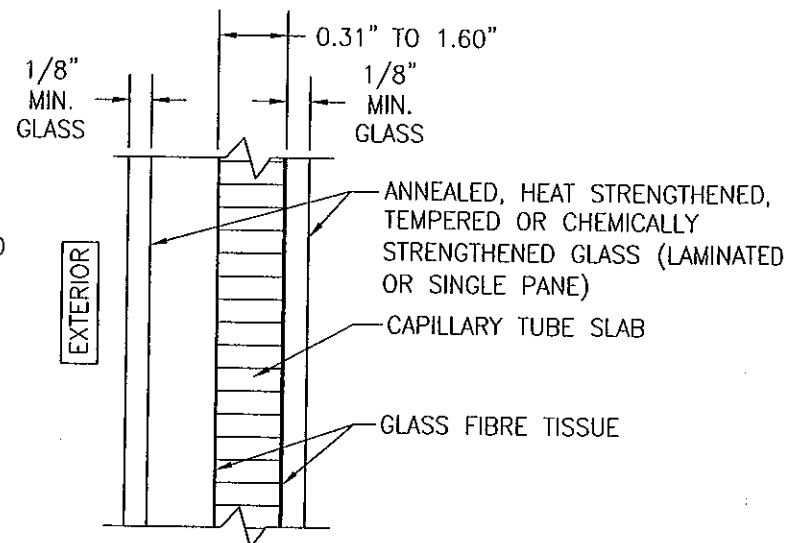
NOA No. 12-0222.06

Expiration Date: April 26, 2017

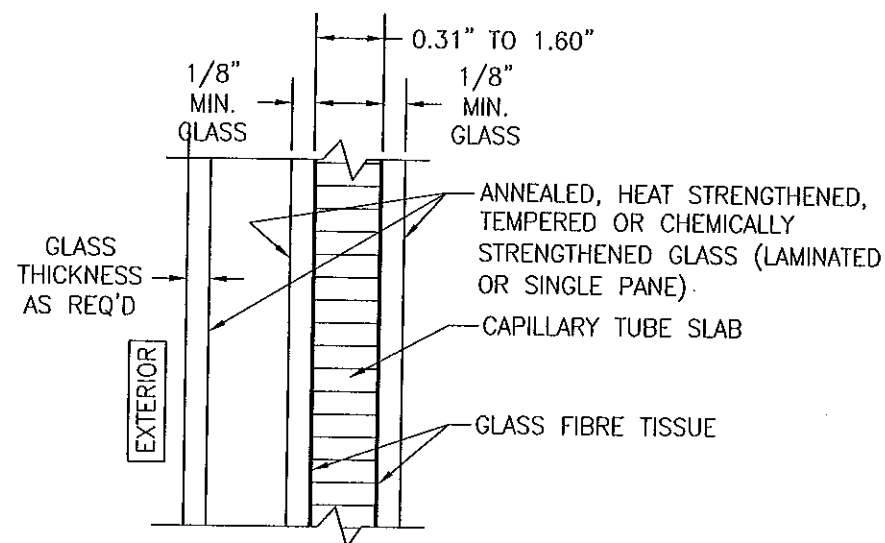
Approval Date: April 26, 2012



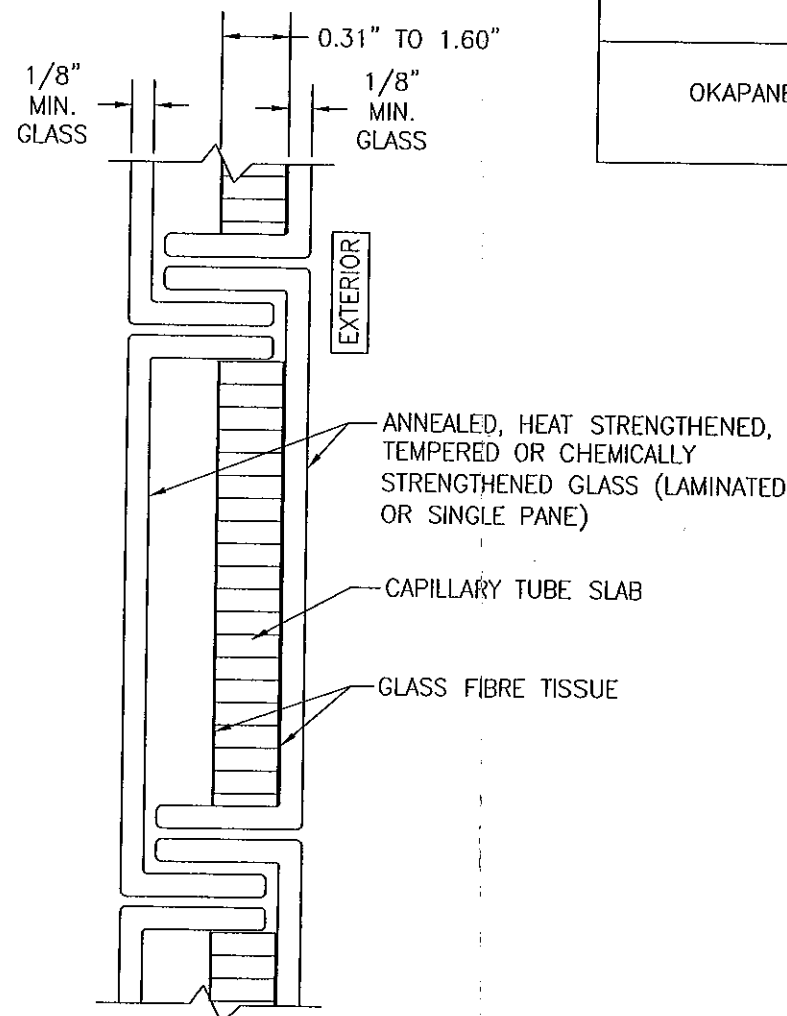
I.G. GLASS SECTION
"OKALUX"



I.G. GLASS SECTION
"OKALUX+"



I.G. GLASS SECTION
"OKALUX K"



I.G. GLASS SECTION
"OKAPANE"

GENERAL NOTES:

1. THE LIGHT DIFFUSING CAPILLARY TUBE SLAB SPECIFIED HERE-IN IS NON-STRUCTURAL TO THE GLASS THAT IT IS TO BE PLACED BETWEEN.
2. THE LIGHT DIFFUSING CAPILLARY TUBE SLAB SPECIFIED HERE-IN IS NOT APPROVED FOR FOR USE BY IT SELF AND MUST BE PLACED BETWEEN 2 SECTIONS OF GLASS.
3. THIS LIGHT DIFFUSING SYSTEM IS APPLICABLE FOR USE BETWEEN ANY SECTIONS OF GLASS WHETHER THEY ARE LAMINATED OR SINGLE PANE.
4. THIS APPROVAL IS FOR THE LIGHT DIFFUSING SLABS ONLY AND NOT THE GLASS SECTIONS BETWEEN WHICH THE SLABS ARE PLACED.
5. THIS PRODUCT HAS BEEN TESTED FOR AND MEETS OR EXCEEDS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE.

PRODUCT OPTIONS & DESCRIPTIONS

PRODUCT TRADE NAMES	DESCRIPTION
OKALUX	OKALUX IS A LIGHT DIFFUSING INSULATING GLASS SYSTEM MADE UP OF A SLAB OF 1/16" DIAMETER CAPILLARY TUBES FUSED TOGETHER BETWEEN 2 SHEETS OF GLASS FIBRE TISSUE (TUBES ARE PERPENDICULAR TO THE FIBRE TISSUE). THIS CAPILLARY TUBE SLAB IS PLACED BETWEEN 2 SECTIONS OF GLASS. THE GLASS EDGES ARE CLOSED OFF WITH SPACERS AS REQUIRED TO FORM A STANDARD I.G. GLASS LIGHT & THE CAVITY IS TYPICALLY FILLED WITH AIR.
OKALUX+	OKALUX+ IS THE OKALUX LIGHT DIFFUSING SYSTEM EXCEPT THAT THE INNER GLASS IS TYPICALLY PLACED AGAINST THE CAPILLARY TUBE SLAB WHILE THE OUTER GLASS IS POSITIONED AWAY FROM THE CAPILLARY TUBE SLAB SUCH THAT THERE IS A VOID BETWEEN THE OUTER GLASS AND SLAB. THE AREA BETWEEN THE GLASS IS TYPICALLY FILLED WITH AIR, ARGON OR KRYPTON GAS AND THE OUTER GLASS TYPICALLY HAS AN APPLIED LOW E OR SUN CONTROL COATING.
OKALUX K	OKALUX K IS THE OKALUX LIGHT DIFFUSING SYSTEM EXCEPT THAT A 3RD GLASS SECTION IS ADDED AS THE OUTERMOST GLASS & THE OUTER GLASS HAS AN APPLIED LOW E OR SUN CONTROL COATING. THE SECTION WITH THE CAPILLARY TUBE SLAB IS NOT FILLED WITH ANY GAS, WHILE THE OUTER VOID SECTION IS TYPICALLY FILLED WITH AIR, ARGON OR KRYPTON GAS.
OKAPANE	OKAPANE IS THE SAME AS OKALUX+ EXCEPT THAT THE CAPILLARY TUBE SLAB IS PLACED BETWEEN SECTIONS OF CHANNEL GLASS SECTIONS VS. STANDARD I.G. GLASS SECTIONS & THE AREA BETWEEN THE CAPILLARY SLAB & THE GLASS IS FILLED WITH AIR.

PRODUCT PROPERTIES

TEST DESCRIPTION	TEST	RESULTS
SELF IGNITION TEMPERATURE	ASTM D1929	932°F
FLASH IGNITION TEMPERATURE	ASTM D1929	932°F
SMOKE DENSITY	ASTM D2843	0.2
RATE OF BURNING	ASTM D635	24.3 MM/MIN (CLASS CC2)

NOTES:

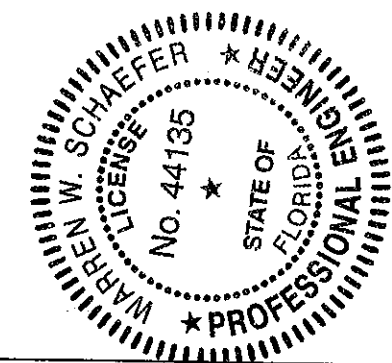
1. THE LIGHT DIFFUSING SYSTEM WAS TESTED BETWEEN 2 PANES OF 1/8" ANNEALED GLASS. THE RESULTS SHOWN ARE THOSE WHEN TESTED BETWEEN GLASS PANES.
2. ALL TEST RESULTS MEET OR EXCEED THE REQUIREMENTS OF THE FLORIDA BUILDING CODE CHAPTER 26.

PRODUCT INFORMATION:

OKALUX LIGHT DIFFUSING SYSTEM IS MOLDED FROM AN AMORPHOUS THERMOPLASTIC MOLDING COMPOUND NAMED PLEXIGLAS® 8N BY EVONIK INDUSTRIES

Approved as complying with the
Florida Building Code
Date 04/26/2012
NOA# 12-02122-06
Miami Dade Product Control

By



DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 10/07/11	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE OKALUX LIGHT DIFFUSING SYSTEM			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		MANUFACTURER SCHOTT NORTH AMERICA, INC. 555 TAXTER ROAD, 4TH FLOOR ELMSFORD, NY 10523 914-831-2241	
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
CERTIFICATION APR 10 2012		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1775		REV.	
SHEET NO. 1 OF 1			